

WHAT IS CLAIMED IS:

1. A pin for a cooling system, comprising:  
an inner layer formed of a first metal, the inner layer being hollow, wherein the  
inner layer is coupled to a header of the cooling system; and  
5 an outer layer formed of a second metal, the outer layer being coupled to the inner  
layer via a coupling material.
2. The pin of claim 1, wherein the cooling system is a radiator.
3. The pin of claim 1, wherein the cooling system is a condenser.
4. The pin of claim 1, wherein the coupling material is a clad material.
- 10 5. The pin of claim 1, wherein the pin is coupled to a header of the cooling system.
6. The pin of claim 5, wherein outside edges of the inner layer are brazed to an inner  
surface of the header.
7. The pin of claim 5, wherein a bottom edge of the outer layer is brazed to a top  
edge of the header.
- 15 8. The pin of claim 1, wherein at least one of the first metal and the second metal is  
aluminum.
9. The pin of claim 1, wherein at least one of the first metal and the second metal is  
coated with a clad material.
- 20 10. A cooling assembly, comprising:  
a cooling system to cool an automobile; and  
a pin to couple the cooling system to the automobile, the pin including  
an inner layer formed of a first metal, and is hollow, wherein the inner  
layer is coupled to a header of the cooling system, and

an outer layer formed of a second metal, the outer layer being coupled to the inner layer via a coupling material.

11. The cooling assembly of claim 10, wherein at least one of the first metal and the second metal is aluminum.

5 12. The cooling assembly of claim 10, wherein the cooling system is formed of aluminum.

13. The cooling assembly of claim 10, wherein the cooling system is a radiator.

14. The cooling assembly of claim 10, wherein the cooling system is a condenser.

10 15. The cooling assembly of claim 10, wherein the coupling material is a clad material.

16. The cooling assembly of claim 10, wherein the pin couples the cooling system to an engine compartment of the automobile.

17. The cooling assembly of claim 10, wherein at least one of the first metal and the second metal is aluminum.

15 18. The cooling assembly of claim 10, wherein outside edges of the inner layer are brazed to an inner surface of the header.

19. The cooling assembly of claim 10, wherein a bottom edge of the outer layer is brazed to a top edge of the header.

20 20. A method of forming a cooling assembly, comprising:  
forming an inner layer from a first sheet metal, the inner layer being hollow;  
forming an outer layer from a second sheet metal;  
inserting the inner layer within the outer layer to form a pin;  
inserting the pin within a header of a cooling system to form the cooling

assembly; and

brazing the cooling assembly.

21. The method of claim 20, further including coating at least one of the inner layer and the outer layer with a clad material.

5 22. The method of claim 21, wherein the brazing causes the clad material to secure the inner layer to the outer layer.

23. The method of claim 20, wherein at least one of the first sheet metal and the second sheet metal is aluminum.

24. The method of claim 20, wherein the cooling system is formed of aluminum.

10 25. The method of claim 20, wherein the cooling system is a radiator.

26. The method of claim 20, wherein the cooling system is a condenser.

27. The method of claim 20, wherein the coupling material is a clad material.

28. The method of claim 20, wherein the pin couples the cooling system to an engine compartment.

15 29. The method of claim 20, wherein at least one of the first metal and the second metal is aluminum.

30. The method of claim 20, further including brazing outside edges of the inner layer to an inner surface of the header.

20 31. The method of claim 20, further including brazing a bottom edge of the outer layer to a top edge of the header.